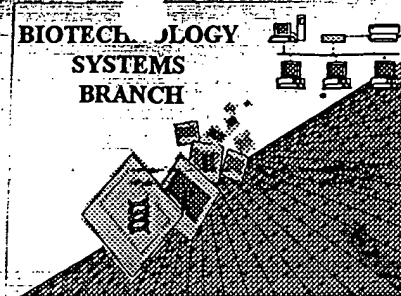


## RAW SEQUENCE LISTING ERROR REPORT



RECEIVED  
JAN 11 2001  
FBI/DOJ

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/522, 727

Source: 1644

Date Processed by STIC: 1-04-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin30help@uspto.gov](mailto:patin30help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

# Raw Sequence Listing Error Summary

## ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER:

09/522,727

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ Wrapped Nucleics      The number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 ☐ Wrapped Aminos      The amino acid number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 ☐ Incorrect Line Length      The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 ☐ Misaligned Amino Acid Numbering      The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 ☐ Non-ASCII      This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.  
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 ☐ Variable Length      Sequence(s) \_\_\_\_\_ contain n's or Xaa's which represented more than one residue.  
As per the rules, each n or Xaa can only represent a single residue.  
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
- 7 ☐ PatentIn ver. 2.0 "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) \_\_\_\_\_. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 8 ☐ Skipped Sequences (OLD RULES)      Sequence(s) \_\_\_\_\_ missing. If intentional, please use the following format for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X:  
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:  
This sequence is intentionally skipped  
  
Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 ☐ Skipped Sequences (NEW RULES)      Sequence(s) \_\_\_\_\_ missing. If intentional, please use the following format for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 10 ☒ Use of n's or Xaa's (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 ☐ Use of <213>Organism (NEW RULES)      Sequence(s) \_\_\_\_\_ are missing this mandatory field or its response.
- 12 ☐ Use of <220>Feature (NEW RULES)      Sequence(s) \_\_\_\_\_ are missing the <220>Feature and associated headings.  
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"  
Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 ☐ PatentIn ver. 2.0 "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.

RECEIVED  
JUN 11 2001  
TECH CENTER 600/2900

RECEIVED 1644  
JAN 11 2001  
TECH CENTER 1600/2900

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/522,727  
DATE: 01/04/2001  
TIME: 08:52:41

Input Set : A:\47577.txt  
Output Set: N:\CRF3\01042001\I522727.raw

Does Not Comply  
Corrected Diskette Needed  
See pp. 1-5

4 <110> APPLICANT: DANA-FARBER CANCER INSTITUTE, INC.  
5 MARASCO, Wayne  
6 MHASHILKAR, Abner  
8 <120> TITLE OF INVENTION: INTRABODY-MEDIATED CONTROL OF IMMUNE  
9 REACTIONS  
11 <130> FILE REFERENCE: 47577 CA  
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/522,727  
C--> 14 <141> CURRENT FILING DATE: 2000-03-10  
16 <150> PRIOR APPLICATION NUMBER: 60/059,339  
17 <151> PRIOR FILING DATE: 1997-09-19  
19 <160> NUMBER OF SEQ ID NOS: 55  
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0

# ERRORED SEQUENCES

23 <210> SEQ ID NO: 1  
24 <211> LENGTH: 5  
25 <212> TYPE: PRT  
26 <213> ORGANISM: human  
28 <400> SEQUENCE: 1  
29 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser  
E--> 30 1 5 10 15  
681 <210> SEQ ID NO: 54  
682 <211> LENGTH: 277  
683 <212> TYPE: PRT  
684 <213> ORGANISM: human  
686 <400> SEQUENCE: 54  
687 Met Glu His Leu Trp Phe Phe Leu Leu Val Ala Ala Pro Arg Trp  
688 1 5 10 15  
689 Val Leu Ser Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Thr Arg  
690 20 25 30  
691 Pro Gly Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
692 35 40 45  
693 Thr Ser His Trp Met Gln Trp Val Arg Gln Arg Pro Gly Gln Gly Leu  
694 50 55 60  
695 Glu Trp Ile Gly Thr Ile Tyr Pro Gly Asp Thr Arg Tyr Thr  
696 65 70 75 80  
697 Gln Asn Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr  
698 85 90 95  
699 Thr Ala Tyr Leu His Leu Ser Ser Leu Ser Ser Glu Asp Ser Ala Val  
E--> 700 100 105 110  
701 Tyr Tyr Cys Ala Arg Asp Glu Ile Thr Thr Val Val Pro Arg Gly Phe  
702 115 120 125  
703 Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
704 130 135 140  
705 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Leu Val Leu

Number of amino acids differ:  
- 5 listed  
- 15 shown

Missing amino  
acid numbering

## RAW SEQUENCE LISTING

DATE: 01/04/2001

PATENT APPLICATION: US/09/522,727

TIME: 08:52:41

Input Set : A:\47577.txt

Output Set: N:\CRF3\01042001\I522727.raw

```

706 145          150          155          160
707 Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Leu Gly Asp Thr Ile Thr
708          165          170          175
709 Ile Thr Cys His Ala Ser Gln Asn Ile Asn Val Trp Leu Ser Trp Tyr
710          180          185          190
711 Gln Gln Lys Pro Gly Asn Ile Pro Gln Leu Leu Ile Tyr Lys Ala Ser
712          195          200          205
713 Asn Leu His Thr Gly Val Pro Ser Arg Phe Ser Gly Arg Gly Ser Gly
714          210          215          220
715 Thr Gly Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Ile Gly
716 225          230          235          240
717 Thr Tyr Tyr Cys Gln Gln Gly Gln Ser Tyr Pro Leu Thr Phe Gly Gly
718          245          250          255
719 Gly Thr Lys Leu Glu Ile Lys Arg Ala Asp Ala Ala Pro Thr Val Ser
720          260          265          270
721 Glu Lys Asp Glu Leu

```

p. 3

<210>	29
<211>	32
<212>	PRT
<213>	human

<400> 29

the sequence.

on the Error

# Summary Sheet.

<210> 51  
 <211> 837  
 <212> DNA  
 <213> human

Seg # 51

<220>  
 <221> CDS  
 <222> (1)...(837)

Missing mandatory <220> to <223>  
 features to explain the "n" at position  
 505.

<400> 51  
 atg gaa cat ctg tgg ttc ttc ctt ctc ctg gtg gca gct ccc aga tgg 48  
 Met Glu His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp  
 1 5 10 15  
 gtc ctg tcc cag gtg caa ctg cag cag tca ggg gct gag ctg gca aga 96  
 Val Leu Ser Gln Val Gln Leu Gln Ser Gly Ala Glu Leu Ala Arg  
 20 25 30  
 cct ggg gct tca gtg aag ttg tcc tgc aag gct tct ggc tac acc ttt 144  
 Pro Gly Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
 35 40 45  
 act agt cac tgg atg cag tgg gtg aga cag agg cct gga cag ggt ctg 192  
 Thr Ser His Trp Met Gln Trp Val Arg Gln Arg Pro Gly Gln Gly Leu  
 50 55 60  
 gaa tgg att ggg act att tat cct gga gat ggt gat act agg tac act 240  
 Glu Trp Ile Gly Thr Ile Tyr Pro Gly Asp Gly Asp Thr Arg Tyr Thr  
 65 70 75 80  
 cag aat ttc aag ggc aag gcc aca ttg act gca gat aag tcc tcc acc 288  
 Gln Asn Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr  
 85 90 95  
 aca gcc tac tta cac ctc agc agc ttg tca tct gaa gac tct gcg gtc 336  
 Thr Ala Tyr Leu His Leu Ser Ser Leu Ser Ser Glu Asp Ser Ala Val  
 100 105 110  
 tat tat tgt gca aga gat gag att act acg gtt gta ccc cgg ggg ttt 384  
 Tyr Tyr Cys Ala Arg Asp Glu Ile Thr Thr Val Val Pro Arg Gly Phe  
 115 120 125  
 gct tac tgg ggc caa ggg acc tcg gtc acc gtc tcc tca ggt ggc ggt 432  
 Ala Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser Gly Gly Gly  
 130 135 140  
 ggc tcg ggc ggt ggt ggc tcg ggt ggc ggc gga tct gag ctc gtg ctc 480  
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Leu Val Leu  
 145 150 155 160  
 acc caa acc cca acc tcc ctg gct ntc tct ctg gga gac aga gtc acc 528  
 Thr Gln Thr Pro Thr Ser Leu Ala Xaa Ser Leu Gly Asp Arg Val Thr  
 165 170 175  
 atc agt tgc agg gca agt cag gac att agc agt tat tta aac tgg tat 576  
 Ile Ser Cys Arg Ala Ser Gln Asp Ile Ser Ser Tyr Leu Asn Trp Tyr  
 180 185 190

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Missing mandatory  $\langle 220 \rangle$  to  $\langle 223 \rangle$  features to explain "Xca" at

position 169.

position 169.

## VERIFICATION SUMMARY

DATE: 01/04/2001

PATENT APPLICATION: US/09/522,727

TIME: 08:52:12

Input Set : A:\47577.txt

Output Set: N:\CRF3\01042001\I522727.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:30 M:252 E: No. of Seq. differs, <211>LENGTH:Input:5 Found:15 SEQ:1  
L:280 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:29  
L:280 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:29  
L:280 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:29  
L:280 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:29  
L:280 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:29  
L:282 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:29  
L:282 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:29  
L:282 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:29  
L:282 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:29  
M:340 Repeated in SeqNo=29  
L:522 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:51  
L:522 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:51  
L:523 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:51  
M:340 Repeated in SeqNo=51  
L:581 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:52  
L:581 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:52  
L:581 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:52  
L:581 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:52  
L:581 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:52  
L:700 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:54